



# SERVICE BULLETIN

## Health Imaging Products

Eastman Kodak Company, Health Imaging, Rochester, NY 14650

SERVICE BULLETIN NO. 309

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**3425 Kodak X-Omat 5000 RA PROCESSOR**  
**3434 Kodak X-Omat 3000 RA PROCESSOR**  
**3228 Kodak X-Omat 480 RA PROCESSOR**  
**3056 Kodak X-Omat 460 RA PROCESSOR**  
**3059 Kodak X-Omat 270 RA PROCESSOR**  
**3227 Kodak X-Omat 180 LP PROCESSOR**  
**3198 Kodak X-Omat 180 LPS PROCESSOR**  
**3291 Kodak X-Omat 270 RA INTEGRATED PROCESSOR in a**  
**Kodak X-Omat MULTILOADER 300**  
**3488 Kodak X-Omat 3000 RA INTEGRATED PROCESSOR in a**  
**Kodak X-Omat MULTILOADER 300 PLUS**  
**3466 Kodak X-Omat 3000 RA INTEGRATED PROCESSOR in a**  
**Kodak X-Omat MULTILOADER 7000**

### How to Disable/Enable Smart Replenishment

Smart Replenishment has been incorporated into the RA/LP Operating Software since the products were introduced in the early 1990's. Smart Replenishment is normally active in AUTOMATIC REPLENISHMENT MODE and adds additional replenishment to compensate for film volume below 75 sheets of 14 x 17inch (or equivalent area) films processed in a 24-hour period. (Please refer to the THEORY GUIDE for a detailed description of this feature, under the heading of AUTOMATIC REPLENISHMENT).

Smart Replenishment was designed and intended for all films **EXCEPT** *Kodak Min-R 2000 FILM*.

When processing **any** *Kodak Min-R 2000 FILM*, Smart Replenishment should be **DISABLED!**

Follow the instructions as detailed in the following tables, to Disable Smart Replenishment.

**TABLE 1:** Instructions for RA/LP processors with a **500 CIRCUIT BOARD INSTALLED**

**TABLE 2:** Instructions for RA/LP processors with a **5000 CIRCUIT BOARD INSTALLED**

**NOTE:** Smart Replenishment is only active in AUTOMATIC REPLENISHMENT MODE, *not* FLOODED REPLENISHMENT MODE, but any unit that is processing *Kodak Min-R 2000 FILM*, should disable Smart Replenishment.

**TABLE 1: RA/LP Processors with a 500 BOARD:**


Processor Model	Software Version	Procedure to Disable/Enable Smart Replenishment	Smart Replenishment Status	Status Indicator
460 RA	2.50 (P/N 2B6501)	Download the software. This version of software has Smart Replenishment	Always Enabled	Software (1) Version
	3.00 (P/N 9B8530)	Download the software. This version of software does <b>NOT</b> have Smart Replenishment	Always Disabled	Software (1) Version
480 RA	2.50 (P/N2B6500)	Download the software. This version of software has Smart Replenishment	Always Enabled	Software (1) Version
	3.00 (P/N 8B7098)	Download the software. This version of software does <b>NOT</b> have Smart Replenishment	Always Disabled	Software (1) Version
270 RA	2.57 (P/N 1C7618)	Download the software. This version of software has Smart Replenishment	Always Enabled	Software (1) Version
	3.00 (P/N 9B8537)	Download the software. This version of software does <b>NOT</b> have Smart Replenishment	Always Disabled	Software (1) Version
270 RA INTEGRATED	2.57 (P/N 1C7618)	Download the software. This version of software has Smart Replenishment.	Always Enabled	Software (1) Version
	3.00 (P/N 9B8537)	Download the software. This version of software does <b>NOT</b> have Smart Replenishment	Always Disabled	Software (1) Version
3000 RA INTEGRATED in MULTILOADER 300 PLUS	2.21 (P/N 7C8521)	Change the state* of Switch #2 on the 4 position DIP Switch on the 500 BOARD, and within 5 seconds, change the state of Switch #4	Disabled/ Enabled	Software (2) Version
180 LP/LPS	2.27 (P/N 2E4225)	Change the state* of Switch #2 on the 4 position DIP Switch on the 500 BOARD, and within 5 seconds, change the state of Switch #4	Disabled/ Enabled	Software (2) Version

- (1) To determine if Smart Replenishment is Enabled or Disabled, observe the version of software displayed at power-up, or you can use laptop diagnostics to look up the software version on the DIAGNOSTICS PROCESSOR CONFIGURATION screen.
- (2) To determine if Smart Replenishment is Enabled or Disabled, use laptop diagnostics:  
In the DOS Version: START diagnostics from the MAIN MENU, choose REPLENISHMNET STATUS. If replenishment data is displayed, then the Smart Replenishment is Enabled. If the message, "THE REPLENISHMENT STATUS FUNCTION IS NOT SUPPORTED FOR THIS CONFIGURATION" is displayed, then Smart Replenishment is Disabled. In the Windows Version: START diagnostics from the MAIN MENU, choose AUTOMATIC MODE.  
The screen will read: "SMART REPLENISHMENT: ENABLED (or DISABLED)".

\*The original position of switch is not important. The software only recognizes a change in position of the switch.

**TABLE 2: RA/LP Processors with a 5000 BOARD:**

Processor Model	Software Version	Procedure to Disable/Enable Smart Replenishment	Smart Replenishment Status	Status Indicator
5000 RA	4.16 (P/N 4E9708)*	Change the state** of Switch #2 on the 4 position DIP Switch on the 5000 BOARD, and within 20 seconds, enter code 3244 on the processor main display keypad.	Disabled/ Enabled	Symbol on (3) the REPLENISH- MENT MODE screen
3000 RA	3.40 (P/N 4E9708)			
460 RA	Not Yet Released			
480 RA	4.03 (P/N 4E9708)			
270 RA	4.03 (P/N 4E9708)			
270 RA INTEGRATED	Not Yet Released	Change the state** of Switch #2 on the 4 position DIP Switch on the 5000 BOARD, and within 5 seconds, change the state of Switch #4	Disabled/ Enabled	Software (4) Version
3000 RA INTEGRATED	4.03 (P/N 4E9708)			
180 LP/LPS	4.04 (P/N 4E9708)			

- (3) To determine if Smart Replenishment is Enabled or Disabled, using the keypad on the processor MAIN DISPLAY, go to SETUP, MORE, OPTIONS, REPLEN MODE: this symbol  is displayed in the upper right-hand corner of the display.
- (4) To determine if Smart Replenishment is Enabled or Disabled, use laptop diagnostics:  
In the DOS Version: START diagnostics from the MAIN MENU, choose REPLENISHMENT STATUS. If replenishment data is displayed, then the Smart Replenishment is Enabled. If the message "THE REPLENISHMENT STATUS FUNCTION IS NOT SUPPORTED FOR THIS CONFIGURATION" is displayed, then Smart Replenishment is Disabled. In the Windows Version: START diagnostics from the MAIN MENU, choose AUTOMATIC MODE. The screen will read: "SMART REPLENISHMENT :ENABLED (or DISABLED)"
- \* All software for RA/LP processors with a 5000 Board installed, now come in a 2 diskette package under one part number.
- \*\* The original position of the switch is not important. The software only recognizes a change in position of the switch.

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